References:

- A. Gazzaniga, M.E. Sangalli, A. Maroni, A. Foppoli, L. Zema, F. Giordano, (2004) "Different HPMC viscosity grades as coating agents for an oral time and/or site-controlled delivery system: a study on process parameters and in vitro performances" *European Journal of Pharmaceutical Sciences* 22, 469–476.
- A. J. Shinde, "Gastroretentive Drug Delivery System : An Overview" *Pharmainfo.net* (2008) Vol. 6 Issue 1.
- A. Jayakrishnan, N.J. Joseph, S. Lakshmi, (2002), "A floating-type oral dosage form for piroxicam based on hollow polycarbonate microspheres: in vitro and in vivo evaluation in rabbits" *Journal of Controlled Release*, 79, 71–79.
- A. P. Pawar, S.S. Badve, P. Sher, A. Korde, (2007), Development of hollow/porous calcium pectinate beads for floating-pulsatile drug delivery, European Journal of Pharmaceutics and Biopharmaceutics 65, 85–93.
- A. Paradkar, M.Kiran Kumar, M.H. Shah, A. Ketkar, K.R. Mahadik, (2004) "Effect of drug solubility and different excipients on floating behaviour and release from glyceryl monooleate matrices" *International Journal of Pharmaceutics* 272, 151–160.
- A.Shahiwala, P. Roy, (2009) "Multiparticulate formulation approach to pulsatile drug delivery: Current perspectives" *Journal of Controlled Release* 134, 74–80.
- A.Shahiwala, P. Roy, (2009) "Statistical optimization of ranitidine HCl floating pulsatile delivery system for chronotherapy of nocturnal acid breakthrough" *European Journal of Pharmaceutical Sciences* 37, 363–369.
- B. Mishra, P.S. Rajinikanth, (2008) "Floating in situ gelling system for stomach site-specific delivery of clarithromycin to eradicate H. pylori" *Journal of Controlled Release* 125 33–41.
- B. Mishra, P.S. Rajinikanth, J. Balasubramaniam, (2007) "Development and evaluation of a novel floating in situ gelling system of amoxicillin for eradication of *Helicobacter pylori" International Journal of Pharmaceutics* 335, 114–122.

- B. Singh, *V. Sharma*, *D. Chauhan*, (2010), Gastroretentive floating sterculia–alginate beads for use inantiulcer drug delivery, chemical engineering research and design 88 997–1012.
- B.Y. Choi, H.J. Park, S.J. Hwang, J.B. Park, (2002), Preparation of alginate beads for floating drug delivery system: effects of CO2 gas-forming agents, International Journal of Pharmaceutics 239, 81–91.
- C. Hascicek, A. Rossi, P. Colombo, G. Massimo, O.L. Strusi, G. Colombo, (2010) Assemblage of drug release modules: Effect of module shape and position in the assembled systems on floating behavior and release rate, European Journal of Pharmaceutics and Biopharmaceutics 77, 116–121.
- E. Bulgarelli, F. Forni, M.T. Bernabei, (2000) Effect of matrix composition and process conditions on casein–gelatin beads floating properties, International Journal of Pharmaceutics 198, 157–165.
- F. M. Sakr, (1999), A programmable drug delivery system for oral Administration, International Journal of Pharmaceutics 184, 131–139.
- F. Stops, J.T. Fell, J. H. Collett, L.G. Martini, (2008) Floating dosage forms to prolong gastro-retention—The characterization of calcium alginate beads, International Journal of Pharmaceutics 350, 301–311.
- H. Yiqiao, X. Xiaoqiang, S. Minjie, Z. Feng, (2006) Floating matrix dosage form for phenoporlamine hydrochloride based on gas forming agent: In vitro and in vivo evaluation in healthy volunteers, International Journal of Pharmaceutics 310, 139–145.
- I. E. Gibaly, (2002) Development and in vitro evaluation of novel floating chitosan microcapsules for oral use: comparison with non-floating chitosan microspheres, International Journal of Pharmaceutics 249, 7-21.
- J.T. Fell, L. Whitehead, J.H. Collett, H.L. Sharma, (1998) A. M. Smith, Floating dosage forms: an in vivo study demonstrating prolonged gastric retention, Journal of Controlled Release 55, 3–12.
- K. Amighi, J. Goole, P. Deleuze, F. Vanderbist, (2008), New levodopa sustained-release floating minitablets coated with insoluble acrylic polymer, European Journal of Pharmaceutics and Biopharmaceutics 68, 310–318.
- K. Amighi, J. Hamdani, A. J. Moes, (2006), Development and in vitro evaluation of a novel floating multiple unit dosage form obtained by melt pelletization, International Journal of Pharmaceutics 322, 96–103.

- K. C. Lee, S. W. Jang, J. W. Lee, S.H. Park, (2008), Gastroretentive drug delivery system of DA-6034, a new flavonoids derivative, for the treatment of gastritis, International Journal of Pharmaceutics 356, 88–94.
- K. Mader, S. Strubing, H. Metz, (2008), Characterization of poly(vinyl acetate) based floating matrix tablets, Journal of Controlled Release 126, 149–155.
- K. Mader. S. Strubing, T. Abboud, R. V. Contri, H. Metz, (2008), New insights on poly(vinyl acetate)-based coated floating tablets: Characterisation of hydration and CO_2 generation by benchtop MRI and its relation to drug release and floating strength, European Journal of Pharmaceutics and Biopharmaceutics 69, 708–717.
- L. Hu, L. Li, X. Yang, W. Liu, J. Yang, Y. Jia, C. Shang, H. Xu, (2010), Floating matrix dosage form for dextromethorphan hydrobromide based on gas forming technique: In vitro and in vivo evaluation in healthy volunteers, European Journal of Pharmaceutical Sciences 42, 99–105.
- L. V. Robles, I. J. Martinez, T. Q. Barreda, (2008), Sustained delivery of captopril from floating matrix tablets, International Journal of Pharmaceutics 362, 37–43.
- M. Chavanpatil P. Jain, S. Chaudhari, R. Shear, P. Vavia, (2005), Development of sustained release gastroretentive drug delivery system for ofloxacin: In vitro and in vivo evaluation, International Journal of Pharmaceutics 304, 178–184.
- M. D. Chavanpatil, P. Jain, S. Chaudhari, R. Shear, P.R. Vavia, (2006), Novel sustained release, swellable and bioadhesive gastroretentive drug delivery system for ofloxacin, International Journal of Pharmaceutics 316, 86–92.
- M. Fukuda, N.A. Peppas, J.W. McGinity, (2006), Floating hot-melt extruded tablets for gastroretentive controlled drug release system, Journal of Controlled Release 115 121–129.
- M. I. Tadros, (2010), Controlled-release effervescent floating matrix tablets of ciprofloxacin hydrochloride: Development, optimization and in vitro–in vivo evaluation in healthy human volunteers, European Journal of Pharmaceutics and Biopharmaceutics 74, 332–339.

- M. Ismail, M.H.G. Dehghan, S. Asif, T. Sahuji, P. Chudiwal, (2011), Preparation of a novel floating ring capsule-type dosage form for stomach specific delivery, Saudi Pharmaceutical Journal, 19, 85–93.
- M. R. J. Castellanos, H. Zia, C.T. Rhodes, (1994), Design and testing in vitro of a bioadhesive and floating drug delivery system for oral application, International Journal of Pharmaceutics 105, 65-70.
- M. T. Sheu, R. N. Chen, H. O. Ho, C.Y. Yu, (2010), Development of swelling/floating gastroretentive drug delivery system based on a combination of hydroxyethyl cellulose and sodium carboxymethyl cellulose for Losartan and its clinical relevance in healthy volunteers with CYP2C9 Polymorphism, European Journal of Pharmaceutical Sciences 39, 82–89.
- P. Colombo, O. L. Strusi, F. Sonvico, R. Bettini, P. Santi, G. Colombo, (2008), Module assemblage technology for floating systems: In vitro flotation and in vivo gastro-retention, Journal of Controlled Release 129, 88–92.
- P. Dorozynski, P. Kulinowski, A. Mendyk, R. Jachowicz, (2010), Gastroretentive drug delivery systems with L-dopa based on carrageenans & Hydroxypropylmethylcellulose, International Journal of Pharmaceutics 404, 169–175.
- P. Prinderre, C. Sauzet, M. C. Bruno, M. Nicolas, J. Kister, P. Piccerelle, (2009), An innovative floating gastro retentive dosage system: Formulation and in vitro Evaluation, International Journal of Pharmaceutics 378, 23–29.
- P. Sher, G. Ingavle, S. Ponrathnam, A. P. Pawar, (2007), Low density porous carrier based conceptual drug delivery system, Microporous and Mesoporous Materials 102, 290–298.
- P. Sriamornsak, N. Thirawong, S. Puttipipatkhachorn, (2005), Emulsion gel beads of calcium pectinate capable of floating on the gastric fluid: effect of some additives, hardening agent or coating on release behavior of metronidazole, European Journal of Pharmaceutical Sciences 24, 363–373.
- P. Sriamornsak, S. Sungthongjeen, S. Puttipipatkhachorn, (2007), Use of pectin as a carrier for intragastric floating drug delivery: Carbonate salt contained beads, Carbohydrate Polymers 67, 436–445.
- R. Bodmeier, A. Streubel, J. Siepmann, (2002), Floating microparticles based on low density foam powder, International Journal of Pharmaceutics 241, 279–292.

- R. Bodmeier, A. Streubel, J. Siepmann, (2003), Floating matrix tablets based on low density foam powder: effects of formulation and processing parameters on drug release, European Journal of Pharmaceutical Sciences 18, 37–45.
- S. K. Jain, A.M. Awasthi, N.K. Jain, G.P. Agrawal, (2005) Calcium silicate based microspheres of repaglinide for gastroretentive floating drug delivery: Preparation and in vitro characterization, Journal of Controlled Release 107, 300– 309.
- S. Venkatraman, Y.D. Tang, F.Y.C. Boey, L. W. Wang, (2007), Sustained release of hydrophobic and hydrophilic drugs from a floating dosage form, International Journal of Pharmaceutics 336, 159–165.
- S. Arora, (2005); "Floating Drug Delivery Systems: A Review" *AAPS PharmSciTech.* 06(03): E372-E390.
- Y. Kawashima, T. Niwa, H. Takeuchi, T. Hino, Y. Ito, (1991), Preparation of multiple unit hollow microspheres (microballoons) with acrylic resin containing tranilast and their drug release characteristics (in vitro) and floating behavior (in vivo), Journal of Controlled Release, 16, 279-290.
- Y.S. Tanwar, (2006), "Floating Microspheres: Development, Characterization and Applications" *Pharmainfo.net* Vol. 4 Issue 3.